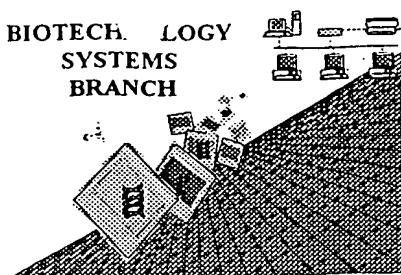


RAW SEQUENCE LISTING
ERROR REPORT

BIOTECH. LOGY
SYSTEMS
BRANCH



HLZ

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/327,750B

Source:

1633

Date Processed by STIC:

5/4/2001

RECEIVED

MAY 17 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/329,750B

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MAY 17 2001

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ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>
sections for Artificial or Unknown sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 f Use of "Artificial" Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.
(NEW RULES) Valid response is Artificial Sequence.
- 12 J Use of <220>Feature Sequence(s) 6 are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

1633

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/327,750B

DATE: 05/04/2001
 TIME: 16:34:33

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\05042001\I327750B.raw

**Does Not Comply
 Corrected Diskette Needed**

3 <110> APPLICANT: Sato, Taki-Aki
 5 <120> TITLE OF INVENTION: GENE ENCODING NADE, P75NTR- ASSOCIATED CELL DEATH EXECUTOR AND USES
 6 THEREOF
 8 <130> FILE REFERENCE: 0575/59131/JPW/APE
 10 <140> CURRENT APPLICATION NUMBER: 09/327,750B
 11 <141> CURRENT FILING DATE: 1999-06-07
 13 <160> NUMBER OF SEQ ID NOS: 45
 15 <170> SOFTWARE: PatentIn version 3.0
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 36
 19 <212> TYPE: DNA
 20 <213> ORGANISM: MOUSE
 22 <400> SEQUENCE: 1
 23 aattgtctac gcataccttat gggggagctg tctaac 36
 26 <210> SEQ ID NO: 2
 27 <211> LENGTH: 12
 28 <212> TYPE: PRT
 29 <213> ORGANISM: MOUSE
 31 <400> SEQUENCE: 2
 33 Asn Cys Leu Arg Ile Leu Met Gly Glu Leu Ser Asn
 34 1 5 10
 36 <210> SEQ ID NO: 3
 37 <211> LENGTH: 30
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <221> NAME/KEY: misc_feature
 43 <222> LOCATION: (1)..(30)
 44 <223> OTHER INFORMATION: Mouse Nade DNA
 47 <400> SEQUENCE: 3
 48 ctagctagca tcatggtgag caagggcgag 30
 51 <210> SEQ ID NO: 4
 52 <211> LENGTH: 28
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Artificial Sequence
 56 <220> FEATURE:
 57 <221> NAME/KEY: misc_feature
 58 <222> LOCATION: (1)..(28)
 59 <223> OTHER INFORMATION: Mouse Nade DNA
 62 <400> SEQUENCE: 4
 63 ccgctcgagt cttgtacagc tcgtccat 28
 66 <210> SEQ ID NO: 5
 67 <211> LENGTH: 29
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:
 72 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/327,750B

DATE: 05/04/2001
TIME: 16:34:33

Input Set : A:\PTO.txt
Output Set: N:\CRF3\05042001\I327750B.raw

73 <222> LOCATION: (1)..(29)
74 <223> OTHER INFORMATION: Mouse Nade DNA
77 <400> SEQUENCE: 5
78 atcctcgagc gatcatggcc aatgtccac 29
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 27
83 <212> TYPE: DNA
C--> 84 <213> ORGANISM: Artificial Sequence
W--> 86 <220> FEATURE:
W--> 86 <223> OTHER INFORMATION:
86 <400> SEQUENCE: 6
87 atcggatcct ctcagctgta gctccct 27
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 27
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <221> NAME/KEY: misc_feature
97 <222> LOCATION: (1)..(27)
98 <223> OTHER INFORMATION: Mouse Nade DNA
101 <400> SEQUENCE: 7
102 atcggatccg atctctctca tctcctc 27
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 27
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature
112 <222> LOCATION: (1)..(27)
113 <223> OTHER INFORMATION: Mouse Nade DNA
116 <400> SEQUENCE: 8
117 aaagcttagg gaggcacagc tgagaaa 27
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 27
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: (1)..(27)
128 <223> OTHER INFORMATION: Mouse Nade DNA
131 <400> SEQUENCE: 9
132 tttctcagct gtgcctccct aagcttt 27
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 26
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (1)..(26)

Artificial Sequence

*see item 12 on Error
Summary
Sheet*

RAW SEQUENCE LISTING DATE: 05/04/2001
 PATENT APPLICATION: US/09/327,750B TIME: 16:34:33

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\05042001\I327750B.raw

```

143 <223> OTHER INFORMATION: Mouse Nade DNA
146 <400> SEQUENCE: 10
147 atccggagaa aggctaggga ggcaca
150 <210> SEQ ID NO: 11
151 <211> LENGTH: 26
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (1)..(26)
158 <223> OTHER INFORMATION: Mouse Nade DNA
161 <400> SEQUENCE: 11
162 tgtgcctccc tagcctttct ccggat
165 <210> SEQ ID NO: 12
166 <211> LENGTH: 124
167 <212> TYPE: PRT
168 <213> ORGANISM: MOUSE
170 <400> SEQUENCE: 12
172 Met Ala Asn Val His Gln Glu Asn Glu Glu Met Glu Gln Pro Leu Gln
173 1 5 10 15
175 Asn Gly Glu Glu Asp Arg Pro Val Gly Gly Glu Gly His Gln Pro
176 20 25 30
178 Ala Gly Asn Asn Asn Asn Asn Asn His Asn His Asn His Asn His His
179 35 40 45
181 Arg Arg Gly Gln Ala Arg Arg Leu Ala Pro Asn Phe Arg Trp Ala Ile
182 50 55 60
184 Pro Asn Arg Gln Met Asn Asp Gly Leu Gly Gly Asp Gly Asp Asp Met
185 65 70 75 80
187 Glu Met Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys Leu Arg Glu
188 85 90 95
190 Leu Gln Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Glu Leu Ser Asn
191 100 105 110
193 His His Asp His His Asp Glu Phe Cys Leu Met Pro
194 115 120
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 111
198 <212> TYPE: PRT
199 <213> ORGANISM: HUMAN
201 <400> SEQUENCE: 13
203 Met Ala Asn Ile His Gln Glu Asn Glu Glu Met Glu Gln Pro Met Gln
204 1 5 10 15
206 Asn Gly Glu Glu Asp Arg Pro Leu Gly Gly Gly Glu Gly His Gln Pro
207 20 25 30
209 Ala Gly Asn Arg Arg Gly Gln Ala Arg Arg Leu Ala Pro Asn Phe Arg
210 35 40 45
212 Trp Ala Ile Pro Asn Arg Gln Ile Asn Asp Gly Met Gly Gly Asp Gly
213 50 55 60
215 Asp Asp Met Glu Ile Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys
216 65 70 75 80

```

RAW SEQUENCE LISTING DATE: 05/04/2001
 PATENT APPLICATION: US/09/327,750B TIME: 16:34:33

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\05042001\I327750B.raw

```

218 Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Glu
219                      85                      90                      95
221 Leu Ser Asn His His Asp His His Asp Glu Phe Cys Leu Met Pro
222                      100                      105                      110
224 <210> SEQ ID NO: 14
225 <211> LENGTH: 13
226 <212> TYPE: PRT
227 <213> ORGANISM: czyxin
229 <400> SEQUENCE: 14
231 Leu Thr Met Lys Glu Val Glu Glu Leu Glu Leu Leu Thr
232 1                      5                      10
234 <210> SEQ ID NO: 15
235 <211> LENGTH: 13
236 <212> TYPE: PRT
237 <213> ORGANISM: MAPKK
239 <400> SEQUENCE: 15
241 Ala Leu Gln Lys Lys Leu Glu Glu Leu Glu Leu Asp Glu
242 1                      5                      10
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 10
246 <212> TYPE: PRT
247 <213> ORGANISM: PKI-alpha
249 <400> SEQUENCE: 16
251 Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile
252 1                      5                      10
254 <210> SEQ ID NO: 17
255 <211> LENGTH: 9
256 <212> TYPE: PRT
257 <213> ORGANISM: TF III A
259 <400> SEQUENCE: 17
261 Leu Pro Val Leu Glu Asn Leu Thr Leu
262 1                      5
264 <210> SEQ ID NO: 18
265 <211> LENGTH: 9
266 <212> TYPE: PRT
267 <213> ORGANISM: Rev HIV-1
269 <400> SEQUENCE: 18
271 Leu Pro Pro Leu Glu Arg Leu Thr Leu
272 1                      5
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 12
276 <212> TYPE: PRT
277 <213> ORGANISM: Ran BP1
279 <400> SEQUENCE: 19
281 Lys Val Ala Glu Lys Leu Glu Ala Leu Ser Val Arg
282 1                      5                      10
284 <210> SEQ ID NO: 20
285 <211> LENGTH: 13
286 <212> TYPE: PRT

```

RAW SEQUENCE LISTING DATE: 05/04/2001
 PATENT APPLICATION: US/09/327,750B TIME: 16:34:33

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\05042001\I327750B.raw

```

287 <213> ORGANISM: FMRP
289 <400> SEQUENCE: 20
291 Glu Val Asp Gln Leu Arg Leu Glu Arg Leu Gln Ile Asp
292 1          5          10
294 <210> SEQ ID NO: 21
295 <211> LENGTH: 8
296 <212> TYPE: PRT
297 <213> ORGANISM: Gle 1
299 <400> SEQUENCE: 21
301 Leu Pro Leu Gly Lys Leu Thr Leu
302 1          5
304 <210> SEQ ID NO: 22
305 <211> LENGTH: 14
306 <212> TYPE: PRT
307 <213> ORGANISM: Rex HTLV-1
309 <400> SEQUENCE: 22
311 Ala Leu Ser Ala Gln Leu Tyr Ser Ser Leu Ser Leu Asp Ser
312 1          5          10
314 <210> SEQ ID NO: 23
315 <211> LENGTH: 13
316 <212> TYPE: PRT
317 <213> ORGANISM: human NADE
319 <400> SEQUENCE: 23
321 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg
322 1          5          10
324 <210> SEQ ID NO: 24
325 <211> LENGTH: 13
326 <212> TYPE: PRT
327 <213> ORGANISM: mouse NADE
329 <400> SEQUENCE: 24
331 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg
332 1          5          10
334 <210> SEQ ID NO: 25
335 <211> LENGTH: 27
336 <212> TYPE: PRT
337 <213> ORGANISM: MOUSE
339 <400> SEQUENCE: 25
341 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu
342 1          5          10          15
344 Arg Ile Leu Met Gly Glu Leu Ser Asn His His
345          20          25
347 <210> SEQ ID NO: 26
348 <211> LENGTH: 27
349 <212> TYPE: PRT
350 <213> ORGANISM: HUMAN
352 <400> SEQUENCE: 26
354 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu
355 1          5          10          15
357 Arg Ile Leu Met Gly Glu Leu Ser Asn His His

```

VERIFICATION SUMMARY DATE: 05/04/2001
PATENT APPLICATION: US/09/327,750B TIME: 16:34:34

Input Set : A:\PTO.txt
Output Set: N:\CRF3\05042001\I327750B.raw

L:84 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:86 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:86 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: